



PATENT ABSTRACTS OF JAPAN

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(54) **FIBER FOR AIR BAG**

(57) Abstract:

PURPOSE: To obtain the subject fiber, improved in bending characteristics as compared with those of a circular cross-section yarn, available with better yarn manufacturing properties than those of a flat cross-section yarn, excellent in strength and quality and providing a fabric for an air bag excellent in flexibility and compactness when knitted or woven.

CONSTITUTION: This fiber for an air bag is a synthetic fiber comprising a thermoplastic polymer and has 1-3 convex parts 2 having symmetrically applied semicircular protruding parts 1 in the longitudinal direction of the flat base part 3 at (4/1) to (2/1) ratio of the length (major axis) in the longitudinal direction of the flat base part to the length (minor axis) from the apex of the nearly semicircular protruding part to that of the mutually opposite protruding part. The single filament size is 2-10 denier and the strength is ≥ 7 g/d.

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